

Claims:

1. A method for spraying of a material, in which method the material to be sprayed is introduced into a flame (8) formed by means of a fuel gas and the flame (8) is used to spray the particles of the material to be sprayed to a desired target, **characterized** in that the substance to be sprayed is introduced in liquid form to the flame and is atomized by means of a gas substantially in the vicinity of the flame (8) in such a way that the atomization and the formation of the flame (8) take place in the same device.
2. The method according to claim 1, **characterized** in that the gas used for atomizing the liquid is a fuel gas.
3. The method according to claim 2, **characterized** in that the fuel gas used for atomizing the liquid is the gas for forming the flame (8), producing spraying of the material.
- ~~4. The method according to any of the preceding claims, **characterized** in that the substance to be sprayed is an exothermic liquid.~~
- ~~5. The method according to any of the preceding claims, **characterized** in that outside the flame formed by means of a fuel gas, a gas is supplied which is used to reduce the effect of external factors in the reaction.~~
- ~~6. The method according to any of the preceding claims, **characterized** in that the particles of the material to be sprayed are sprayed into a glass material.~~
7. A device for spraying of a material, the device being provided with means for supplying a fuel gas in such a way that the fuel gas forms a flame (8) and means for introducing the material to be sprayed into the flame (8), wherein the flame (8) is used to spray the substance to be sprayed to a desired target, **characterized** in that the device is provided with means for introducing a liquid substance into the flame and means for introducing a gas into the liquid to be sprayed into the liquid in such a way that the gas atomizes the liquid to be sprayed into droplets substantially in the vicinity of the flame (8), wherein the atomization takes place in the same device as the formation of the flame (8).

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8. The device according to claim 7, **characterized** in that the device is provided with at least one liquid duct (5, 5b-5d) for supplying a liquid to be sprayed into the device, and further at least one liquid tube (5a, 5e-5g) for conveying the liquid to the flame, and that
- 5 the device is provided with a gas duct (2) for supplying a gas for atomizing the liquid into a gas tube (2a) placed around the liquid tube (5a, 5e-5g), and that the liquid tube (5a, 5e-5g) and the gas tube (2a) are arranged in such a way that the gas supplied from the gas tube (2a) atomizes the liquid supplied from the liquid tube (5a, 5e-5g) into
- 10 droplets.

6A2 9. The device according to claim 7 or 8, **characterized** in that the device is provided with means for introducing a protective gas around the flame formed by the fuel gas.

10. The device according to any of the claims 7 to 9,
- 15 **characterized** in that the device is provided with at least two liquid ducts (5, 5b-5d) for supplying a liquid to be sprayed into the device.

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